

FIG. 1



Registration in asymmetric link environment

FA1 maps each advertising interface of the FA1 to a different COA

FA sends a periodic agent advertisement including COA for one or more interfaces on one or more uplinks

MR receives agent advertisement including COA

MR sends registration request (TTL > 1; SRC = broadcast MAC address; extension including MAC address; DEST = COA from the agent advertisement)

Downlink router (e.g., FA2) forwards the registration request to FA1

When FA1 receives the registration request from FA2, it ascertains an interface of the FA1 identified by the COA in the registration request and treats the registration request as if it were received on that interface

FA1 enters the registration request in a pending registration request list

FA1 marks the request as having been received on the interface ~~associated with the COA in the REGISTRATION REQUEST~~

FA1 relays the registration request to HA

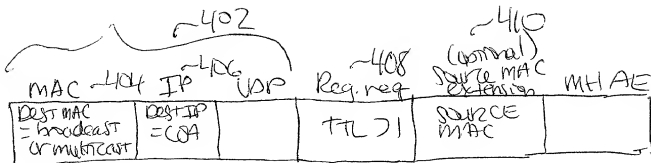
HA sends registration reply, updates tables and creates tunnel

FA1 receives registration reply from HA, updates tables and creates tunnel

FA1 updates the pending registration request list for the registration request

FA1 relays the registration reply to the MR via the previously identified interface (e.g., using the broadcast MAC address as the destination address)

FIG. 3



= 16.4

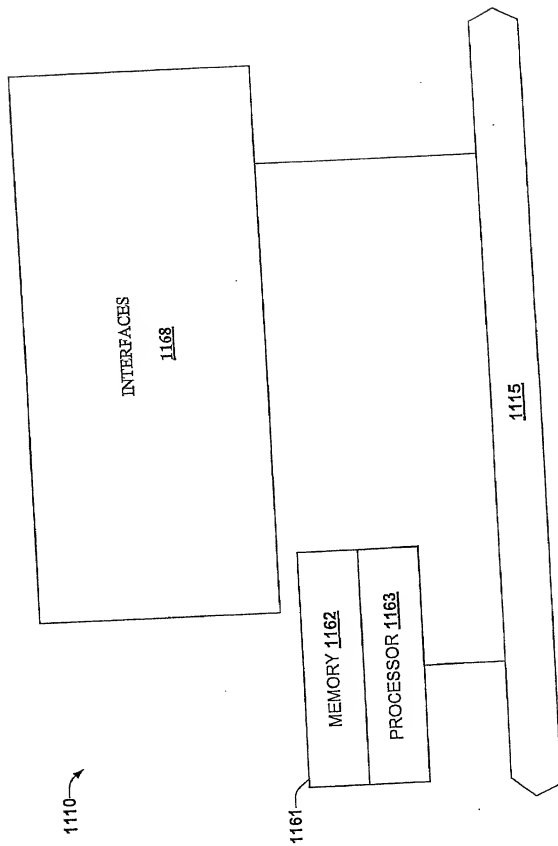


Figure 11.7.5